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Monsieur *Bullialdus* and *M. Richel* account of the last Lunar Eclipse of *Januar.* 1. 1676. *St. novo* whereby it appears that the *Rudolphin* Tables or *Hecker's* calculus made thereon, do considerably differ from the Heavens both for duration and magnitude, but the *Philolaïque* Tables, less.

Tabulæ Philolaïcæ exhibent in Eclipsi visâ Januarii die 1 mane, 1676.

Uraniburgi

Parisiis

Decemb 31.

St. novo.

	H.		H.
Initium	14. 53. 29		14. 13. 29
Max. obsc.	16. 0. 33		15. 20. 33
8 Veram	16. 9. 18		15. 29. 18
Finem.	17. 7. 37		16. 27. 37

Digitos III. LI

Sic versutud deliquium observavit Hincaci Bullialdus.

Capelle Difi. à vertice. Parisiis mane

G.	H.	
39 36	2 6 12	Penumbra tenuis.
40 42	2 12 7	Penumb. crassior.
41 43		Obscurior adhuc.
42 30	2 23 32	Initium sensibile è reg. sinu Hyperb. circi gr. 70.
42 50	2 25 48	Digiti hinc 1. 8
44 25	2 35 11	Umbra attingit At- lantem minorem.
47 28	2 56 27	Umbra paulo supra Barbathum, supra Ligusticum, occu- paverat Macr. M.
48 56	3 6 20	U. attingerat fere ca- tenam Mundi.
49 54	3 12 54	U. atting. Montanial.
50 30	3 17 51	Attingit finem Peron- tic. Montem Py- ram. & med. pa- lulum Hyperbor.
52 7	3 29 1	Occupavit finem Sa- garicum & Pe- ronticum, atque Promont. Lunæ.
54 52	3 48 21	Leucopetra extra umbram.
55 40	3 54 6	Sinus peronticus extra umbram.
55 48	3 55 12	Sinus Sagaricus ex- tra umbram.
56 17	3 58 29	Sinus Cercinites fere emergerat.
57 16	4 5 38	Pars sub umb. aequa- lis fere latitudini Paludis Maeotidis.
58 30	4 13 56	Finis verus è reg. Mont. Macrotem. circa gr. 355.
59 6		Penumbra.

Coriscam non attingit umbra, neque Lacum Thrasymenum, propterea Eclipsi non excessit digitos III. XXX. vel minus etiam.

*Initium uno scrupulo primo vel 45" antecessit ad-
notatum, ita ut statim exactius possit H. 14. '22.
'32. Hinc tota duratio satis præcise H. 1. 51.
24. Quare maxima observatio contigit H. 15.
18. 14.*

Parisiis observata. Heckerus Parisiis

H.		H.		Totam durat.
Initium	14 22 32	14 8 0		H. 2. '24. '36.
Max. obsc.	15 18 14	15 20 18		Digitos. IV. '24.
Finis	16 13 56	16 32 36		'31.

*Tabulæ ergo Rudolphina ostendunt durat. longiorem
observatâ '33. '13. Magnitudin. deliquii majorem
'54 '31. unius digiti '60, id est, uno fere digito.*

*Argentinae sic observ. D. Julius Richel Profess.
Mathematicum, utcumque, ut ipse dicit, ob nondum
absoluta correctiora instrumenta.*

Alto Arcturo

G.	H.	
30 30	14 48 48	Initium.
36 0	15 20 8	U. per Montem Porphyritem & Tro- mont. Lunæ.
39 50	15 45 44	U. Strinxit Lacum Thrasymen. Mont. Baronifum & finem Cercinitem.
44 15	16 13 20	U. transit per Prom. Lunæ & Montem Cimmerium.
46 25	16 27 36	U. tetigit Lacum nigrum minorem & M. Carpathum.
48 30	16 41 44	Defuit in Regione Hyperborea media ad Mare Hyperboreum.

*Tota duratio observata Argent. H. 1. '52. '56. Merid. Pa-
risiens. ab Argentoracensi distat O' 22. '48 ex fine.*

Observationibus Londini factis observatum est,

H.		Distat ex hac Eclipsi ad ortum me- ridianus Paris. a Londin. '6. '38.
Initium	14 16	
Max. obsc.	15 11 37	Qui ex observatione Eclipsi die vii.
Finis	16 7 15	Julii 1675 apparuit 10. ut etiam in Eclipsi xi. Januarii ejusdem anni.
Tota dur.	1 51 15	